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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/620,113 | 07/20/2000 | Masato Kurokawa | 13630 (JA9-1999-0053 US1) | 2885 |

7590

12/08/2003

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EXAMINER

CHUONG, TRUC T

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2174

DATE MAILED: 12/08/2003

12

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/620,113

Applicant(s)

KUROKAWA ET AL.

Examiner

Truc T Chuong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 August 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2 and 5-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 5-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

1. This communication is responsive to Amendment B, filed 08/21/03.
2. Claims 1-2, and 5-10 are pending in this application. Claims 1 and 10 are independent claims. In Amendment B, claims 1 and 10 are amended, and claims 3 and 4 are cancelled. This is made non-final.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
4. Claim 2 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 recites "in order with time for video contents, in a time for video interval between a currently displayed video frame and a preceding video frame displayed a predetermined time period earlier" is unclear.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-2, 5-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tamir et al. (U.S. Patent No. 5,923,365) in view of Boreczky et al. (U.S. Patent No. 6,366,269 B1).

As to claim 1, Tamir teaches a video contents access method that uses trajectories of objects, comprising the steps of: extracting objects from video contents (Documentation on video, col. 1 lines 13-21); displaying the movements of said objects as trajectories on a specific projection screen separate from a video image display providing said video contents (Unit 20, col. 8 lines 19-21, 30-35, 45-47, 54-55, col. 13 lines 38-43 and figs. 1 and 2); specifying locations along said trajectories (trajectories, col. 11 lines 10-17, 30-33, col. 13 lines 59-60 and figs.); and accessing a desired scene contained in said video contents (col. 2 lines 11-40);

However, Tamir does not clearly show concurrently displaying a play advantage scale for representing an important scene, said scale functioning as a guide for adjusting the speed for the playback of the trajectory; and controlling the speed of said objects are displayed. Boreczky clearly teaches in detail how a controller with playback buttons controls media playback as desired, adjusts playback speed based on objects features (speaker MD), and depicts the playback rates on screen (col. 13 line 39-col. 14 line 30, and figs. 1-11, 15 and 18). It would have been obvious at the time of the invention that a person with ordinary skill in the art would want to have these highly desirable speed playback control features of Boreczky in Tamir's highlighting trajectory editor to identify areas of interest, to be able to control media playback, and to edit a media file (Summary, col. 1 lines 60-67).

As to claim 2, Tamir teaches the video contents access method according to claim 1, wherein said trajectories of said objects are those displayed, in order with time for video contents, in a time for video interval between a currently displayed video frame and a preceding

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video frame displayed a predetermined time period earlier (col. 13 lines 59-63, col. 11 lines 10-15).

As to claim 5, Tamir teaches Traj of said objects are calculated by the following equation: $Traj = (\text{object ID, start time, end time, line graph representation})$ (col. 2 lines 1-5).

As to claim 6, Tamir clearly shows that video data are either a VC or VD (col. 6 lines 59-64), and it can manage time code (col. 7 lines 32-37).

As to claim 7, Tamir teaches displaying on the same projection screen a window in which images of said contents of said video are displayed and a window in which said trajectories of said objects are displayed (col. 3 lines 3-5, figs. 2 and 4).

As to claim 8, Tamir teaches to specify said locations along said trajectories, a pointing device is used to designate points along said trajectories (figs. 1, 2 and 4, col. 7 lines 38-42).

As to claim 9, Tamir inherently teaches a plurality of video contents are used because Tamir's system could replay a variety of different events such as: basketball, football and soccer game (col. 6 lines 9-10) by a plurality sources such as: a VC, VD or broadcasted transmission and also output live video (col. 6 lines 59-62).

As to claim 10, it is an apparatus claim of method claim 1. Note the rejection of claim 1 above.

Response to Arguments

7. Applicant's arguments with respect to claims 1-2, and 5-10 have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T Chuong whose telephone number is 703-305-5753. The examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on 703-308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-746-7239.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Truc T. Chuong
11/26/03

Kristine Kincaid
KRISTINE KINCAID
SUPERVISORY PATENT EXAMINER
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